ECHO Technical Committee Meeting (12/07/10)

Attendees

- Matt Cechini (ECHO Ops)
- Andy Mitchell (ESDIS)
- Lindsay Parker (ASDC)
- Matt Martens (LPDAAC)
- Kelly Lemig (LPDAAC)
- Ben McMurry (ORNL)
- Cathy Fowler (NSIDC)
- Frank Schaffer (NSIDC)
- David Grant (NSIDC)
- Amanda Leon (NSIDC)
- Renea Ericson (NSIDC)
- Peter Gibbons (NSIDC)
- Todd Edmands (NSIDC)
- Ed Seiler (GSFC)
- Marilyn Drewry (GHRC)
- Jon Pals (SDPS)
- Siri Jodha Kahlsa (NSIDC)
- Steve Browdy (ESDIS)

Minutes

- **Operations Status**

   The ECHO Operational system was available for search and order 100.00% in the month of November, not including one 3.5 hour PM window for the release of 10.29 and other system maintenance activities. The recent release of ECHO 10.30 only resulted in an outage of Ingest. Over the past 2 weeks, WIST availability has experienced 3 brief scheduled outages while we transfer WIST between our primary and secondary hosts. This has been done to facilitate internal system maintenance. Over the next 6 -10 months, ECHO will be refreshing some of its Operational hardware. We do not foresee regular outages after this initial period of hardware shuffling. We have also recently noticed a periodic issue storing browse image files for the ECS providers. Ingest is automatically resumed when an issue occurs and processing continues without any issues.

   The ECHO Partner Test and Testbed system have experienced periods of instability over the past couple weeks. This continues to be related to the virtual machine hosting software, not used in Ops. Testbed has been temporarily relocated to a more stable location in order to provide a stable platform for Reverb alpha testing. Partner Test will be stabilized before announcing Reverb's availability for beta testing to the end user community.

- **Task 2 Rev 2 - Multi-Format Metadata Support - Ops Concept Review**

The ECHO Ops Concept (#20) describing changes planned for implementation in the EED Task 2 Rev 2 were discussed. There are no externally visible changes to Ingest processing or data discovery that will impact existing Data or Client partners. There will, however, but a number of additional capabilities made available. The Ops Concept is made available on the ECHO website (http://www.echo.nasa.gov/documents/ops_concepts/ECHO_OpsCon_020.doc) for review.

The following questions and discussion were had:

- Siri Jodha - When will metadata translation occur?
  - Metadata will be translated on demand when a user requests metadata in a non-native format.
- Matt Martens - Any expected changes to ECS?
  - No. There will be no impact to existing ECHO data partners.
  - Tim Goff - SDPS does not have any plans to move to the new capabilities.
- Siri Jodha - Metadata in ISO 19115
- Translation & core
- Steve Browdy - If a user requests output in ISO 19115 format and original metadata was ISO, they get the original ISO metadata. If the original was not ISO 19115, will the translated data be ISO 19139 compliant.
  - ECHO does has not completed their ISO 19115 planning. They are also expecting that the MENDS group will yield recommendations that will be ISO 19139 compliant, which ECHO will also use.
- Marilyn Drewry - Are end users using these URLs, or applications?
  - End Users may utilize the REST based URLs for accessing metadata, since they will be simple URL strings. However, the capability is being written with a focus on client applications.
- Marilyn Drewry - When data is transformed through REST into the XML DB, is ECHO searching just the core fields?
  - ECHO will store the provider's original metadata. Translation only occurs during results presentation, depending on what format the user has requested. When metadata is translated, only the core fields will exist in the translated XML. However, search indexing will index more than the core metadata fields. For ECHO 10 metadata, all fields searchable through the existing AQL will be indexed. For ISO 19115, some subset of AQL fields will be searchable, along with some additional fields.
- Marilyn Drewry - Will fields such as PSAs and Percent Could Cover still be searchable?
  - Yes, they will be.
- Siri Jodha - When will this capability be available?
  - By next June, all proposed functionality is scheduled for completion. Some testing may be performed prior to that, but data will not be available for searching via existing ECHO client applications until June.